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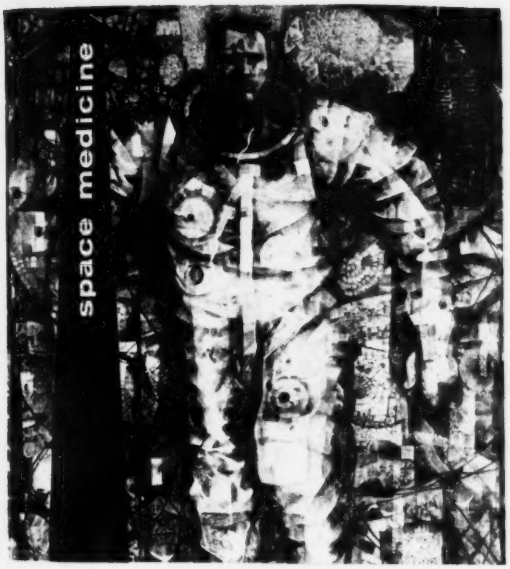

an exhibit at the

NATIONAL LIBRARY OF MEDICINE

Nov.1967 - Jan.1968

Now on display in the NLM lobby is an exhibit on Space Medicine, highlighting some of the Library's services to health professionals concerned with biomedical problems of space flight. The exhibit was dedicated to Lt. General Richard L. Bohannon, Surgeon General, U.S. Air Force, for his outstanding service as a member of the NLM Board of Regents since 1963. The General retired this month from active duty.

Assembled from the printed and pictorial holdings of the Library, and including materials from the National Aeronautics and Space Administration, the exhibit ranges from the earliest-known description of air sickness (by Acosta in the 17th century) to a prototype model of the Apollo Pressure Suit.

From the NLM History of Medicine collections, publications and photographs were chosen to illustrate significant findings and events in the early history of aviation biomedicine -- e.g., Paul Bert's *La pression barométrique* (Paris, 1878), recounting the experiments that settled the controversy over the cause of high-altitude sickness, and the *Narrative of the Two Aerial Voyages* (London, 1786) by John Jeffries, one of the two men to first cross the English Channel in a balloon.

Representative of the source materials in space biomedicine collected, cataloged, indexed, and made available to health scientists by NLM are journal articles and selected monographs. A computer-produced bibliography prepared by the Library's MEDLARS (Medical Literature Analysis and Retrieval System) lists citations to journal articles in aviation and space biomedicine. Related television and motion picture films comprise another bibliography prepared by the Library's National Medical Audiovisual Center in Atlanta.

Illustrating life-science studies reported in the many current publications collected by NLM are enlargements of photographs of biosatellite experiments on the effects of weightlessness and exposure to radiation. Also displayed is a group of posters executed for NASA by artists Peter Hurd, Norman Rockwell, Franklin McMahon, and Robert Shore.

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NATIONAL LIBRARY OF MEDICINE
NEWS

Martin M. Cummings, M.D. Director, NLM

Gerald N. Kurtz, Chief, Office of Information and Publications
Ann Lindsay Acting Editor (Phone 301-496-1030)
Daniel Carangi Graphics Editor

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NLM Publication Notes

The library's new *Monthly Bibliography of Medical Reviews* (*NLM News*, October 1967) may be ordered from the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C. 20402. The annual subscription rate is $2.25 for twelve issues. Schools of the health professions may wish to take advantage of a bulk subscription rate (25% discount for orders of 100 or more) to provide individual copies for students.

Annual subscription rates to *Index Medicus* for 1968 have been announced by the Superintendent of Documents as follows: $55 ($68.50 foreign) for the twelve monthly issues; $5 for a single issue; and $3 for single copies of *MeSH* (*Medical Subject Headings*, issued as Part 2 of the January issue). Subscriptions may be ordered from the Government Printing Office (see above).

The Library has available a limited stock of sets of an experimental publication, *Drug Digests from the Foreign Language Literature*. Single sets will be sent free to health-science libraries on request to the Office of Public Information and Publications Management, National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20014. Recipients may also receive future issues of this publication. Two volumes (24 issues) have been published to date, supported by the NLM Special Foreign Currency Program. They present comprehensive digests, including data and essential graphs and other illustrative material, of about fifty articles per month, relating primarily to the clinical use of drugs, selected from foreign-language periodicals. The publication has so far been distributed only to a limited group of individuals who have served as advisors to help evaluate this experiment.

Subscription rates for the 1968 *NLM Current Catalog* have been announced by the Superintendent of Documents. They are: (A) 26 biweekly issues, $12 ($16 foreign); (B) quarterly issues only, including the two-volume case-bound annual cumulation, $30 ($37.50 foreign); and (C) two-volume annual cumulation, $14.25.

Note!

Recipients of the *NLM News* are reminded that, to continue receiving the *News*, they must fill in and return the postcards recently mailed out. Those whose cards are not returned will be dropped from the list.

(Space Medicine Exhibit, from Page 1)

Retiring Lt. Gen. R. L. Bohannon, with Martin M. Cummings, M.D., NLM Director, examines a one-third scale model of the two-man Gemini, one of the series which scored such firsts as "space walking." Also on display and loaned by NASA is a full-scale model of a prototype Apollo Pressure Suit, with its intricate valves and other fittings, suggesting the complex scientific effort needed to support life in space. Visitors may see, too, a one-third scale model of John Glenn's one-man Mercury spacecraft.

Regents Hold Twenty-eighth Meeting

The NLM Board of Regents convened at the Library November 16-17, with Dr. Barnes Woodhall, Chairman, presiding. Three new members were welcomed: Robert H. Ebert, M.D., Ph.D., Dean of Harvard Medical School; Frederick H. Wagman, Ph.D., Director of the University of Michigan Library; and Bruno W. Augenstein, Vice President for Research, Rand Corporation, Santa Monica, California.

At the Regents' dinner on November 16, Dr. Stewart Wolf spoke with both wit and erudition on Charles Robert Richet (1850-1935), best known as the 1913 Nobel Prize winner for his discovery of anaphylaxis. Dr. Wolf pointed out that the sharp and inquisitive mind of Richet was responsible for many important contributions in medical research.

Richet was also actively involved in the design and construction of airplanes with Victor Tatin in the late 19th century, was an accomplished writer with several novels and plays to his credit, and an ardent pacifist. Dr. Wolf, who has been interested in Charles Richet for some years, suggested that Richet was an excellent example of the productive scientist who did not have the intricate techniques and technologies of today, but made numerous significant contributions by "using his head."

EMP Publications & Translations Chief Named

Jeanne L. Brand, Ph.D., has joined the Extramural Programs as Chief of the Publications and Translations Division, coming from the Extramural Programs of the National Institute of Mental Health.

Dr. Brand holds a B.A. from St. Lawrence University, an M.A. from the University of Rochester, and a Ph.D. in modern social and economic history, with emphasis on public health history, from the University of London (England). She held a

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(Dr. Brand, from Page 3)

fellowship in history at Radcliffe College, and has studied also at Columbia University and the Washington School of Psychiatry.

Dr. Brand's professional affiliations include membership in the American Association for the History of Medicine, the Foreign Area Research Group Subcommittee on Behavioral Sciences, the International Society for the History of Medicine, the American Public Health Association, and the World Federation for Mental Health. In addition to numerous articles on social science and public health research, modern social history, the history of public health and psychiatry, and international cooperation programs, Dr. Brand is the author of *Doctors and the State: The British Medical Profession and Government Action in Public Health, 1870-1912* (Baltimore, Johns Hopkins Press, 1965).

OTHER KEY APPOINTMENTS

George F. Russell, Jr., has been named Executive Officer of the Library. Before coming to NLM in November 1966, Mr. Russell completed a one-year National Institute of Public Affairs fellowship at the University of Indiana. Previously, he was a management analyst in the Office of the Director, NIH. He entered government service as a management intern with the Social Security Administration. Mr. Russell succeeds James D. Isbister, who left to take a position at the National Institute of Mental Health.

* * *

Miss Mary E. Corning has been appointed to serve as the Director's Special Assistant for International Activities. She will assist in planning, developing, and coordinating the Library's international programs.

Miss Corning has been with the Library since 1964, first as Chief of the Publications and Translations Division and then as Special Assistant to the Deputy Director.

A chemist, Miss Corning served previously with the National Bureau of Standards and as Science Advisor to the Secretary of State. She participated in the development of the US/Japan Cooperative Scientific Programs, and developed and administered international cooperative research programs between the U. S. and foreign universities.

* * *

Mr. Alfred Weisberg, most recently with the National Standard Reference Data Center of the National Bureau of Standards, has joined the staff of the Toxicology Information Program, where he will be responsible for file organization studies and statistics. These studies are needed for optimum utilization of computer-based information of the Program, and will depend heavily on prospective, as well as measurable, statistical properties of the file elements.

* * *

Mr. Richard See has joined the Office of the Associate Director for Research and Development as Head of the Operations Research and Systems Analysis Group. He will be responsible for the development and application of advanced techniques to the biomedical communications network and to NLM functional activities. Mr. See, who holds a B.A. from Harvard College and an M.A. from the University of California, Berkeley, was most recently Program Director, Research and Studies Program, at the National Science Foundation.

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Visitor From Czechoslovakia

Under the American Library Association International Internship Program sponsored by the State Department, Dr. Vera Kratochvilova is spending six weeks at the Library to study its methods of operation. The program provides opportunity for the international exchange of ideas and a good introduction to American librarianship. It also aims to give participants a comprehensive view of American life and society. It is one of several group projects for foreign professional people and is part of the Government's general cultural exchange program.

Dr. Kratochvilova is a Senior Information Specialist at the Center for Scientific, Technical and Economic Information of the State Commission of Science and Technology, Prague, Czechoslovakia. Her primary responsibility is to coordinate the work and exchange of information between the statewide network of technical libraries and the network of special libraries established in various branches of industry.

MEDLARS Workshops

On November 6-8, MEDLARS searchers met at the Library for the latest in a series of recurring workshops. The 46 participants included searchers and other representatives from the universities of California, Colorado, Ohio, and Alabama, Harvard University, the Texas Medical Center, the National Institutes of Health, the Pharmaceutical Manufacturers Association, the Karolinska Institute, Stockholm, Sweden, and the University of Newcastle-upon-Tyne, England.

MEDLARS workshops are conducted in order to review relevant NLM program development and technical problems in search strategy, and to acquaint searchers with new MeSH terms and their precise application in indexing. NLM's professional staff members also receive valuable feedback from exchange of information with staff from decentralized MEDLARS stations.

A key feature of the November session was a series of "case study" discussions of parallel search formulations produced at NLM and at different MEDLARS stations, with intensive analysis of varying results. Participants also heard presentations on user orientation, interpreting the request (for a demand search), and MEDLARS capability in a rapidly expanding area of research (genetics).

(Continued on next page)

(MEDLARS Workshops, from Page 5)

Later in the month, Dr. A. J. Harley, of the MEDLARS station at Newcastle-upon-Tyne, conducted user workshops for clinicians and scientists -- two at Houston, Texas, one at Harvard, and a fourth at NLM. Another NLM workshop was designed especially for pharmacists.

Termination of the month's continuing education programs coincided with the graduation of the latest search class, the nine members of which attended all searchers' and users' workshops at the Library. The class included trainees from Harvard, the universities of Michigan and Alabama, Baylor University, the M. D. Anderson Hospital and Tumor Institute, Houston, the Karolinska Institute, and NLM.

Gorgas Appoints Gluckstein

Dr. Fritz Gluckstein, Coordinator for Veterinary Affairs and Acting Coordinator for the Development of the Collection, Technical Services Division, has been appointed to the Advisory Scientific Board of the Gorgas Memorial Institute of Tropical and Preventive Medicine, Incorporated. Board members serve as advisors in the planning of scientific investigations deemed essential to the furtherance of the scientific or other technical activities of the Corporation.

NLM Director Martin M. Cummings, M.D., represents the National Library of Medicine on the Board of Directors of the Institute.

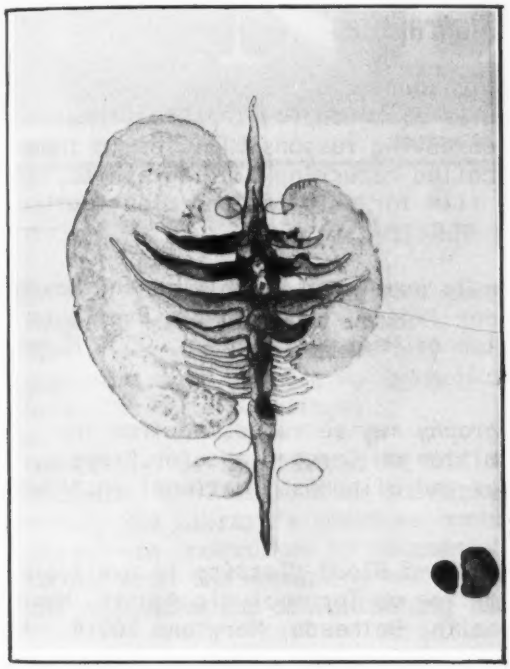
Dr. Weisskopf Honored

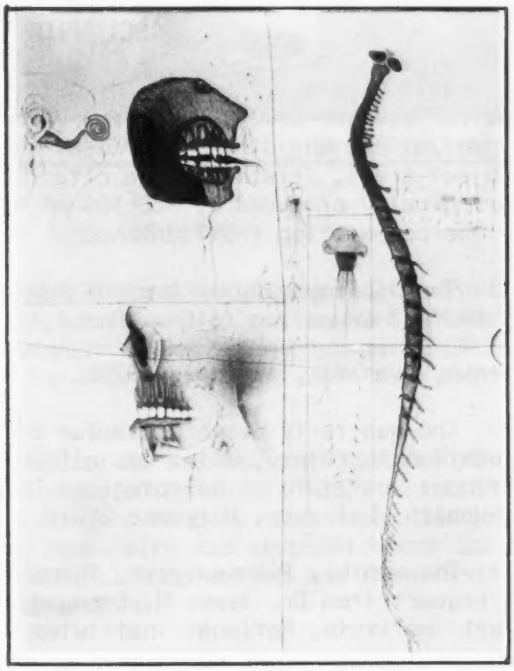
Dr. Josef J. Weisskopf, Medical Literature Analyst in NLM's Bibliographic Services Division, was awarded the Chevalier Cross Polonia Restituta (Poland) for work with the United Nations Rehabilitation Administration Medical Supply Division Headquarters in Displaced Persons Camps in Germany during World War II.

Under Secretary Wilbur J. Cohen, in presenting awards to 29 present and former HEW employees who were cited by foreign countries, stated, "You have helped to emphasize that we in the United States are concerned with the health and well-being of all mankind, that our concern is with a better life for all, without regard to national boundaries."

(Appointments, from Page 5)

Mr. Thomas Joyce has been appointed Assistant to the Director for Production Management. He will analyze production problems throughout the NLM and assist in implementing solutions to them, at first concentrating on problems in intramural programs. Later he will be working on production management problems in other areas of the Library including those which cut across program lines. Mr. Joyce recently retired from the U. S. Air Force with the rank of Colonel, after 27 years of service.





HMD Acquires Contemporary Lithographs

Six lithographs from the series *Kleine Anatomie*, by Paul Wunderlich (1927-), have been added to the History of Medicine art collection.

The series, printed in an edition of 50 copies, was published by Edition Rothe, of Heidelberg, in March 1963. Wunderlich, a recognized master of color lithography, studied in Paris from 1961 to 1963, and is now a Professor at the Art Academy in Hamburg, Germany.

Kleine Anatomie represents an exploration by a postwar German surrealist of both the design elements in the parts of the human body and the technical potentialities of color lithography. Wunderlich's cutaway views of the head, the round tube-like sections of fingers and the cross-hatching along the edge of a specimen to indicate background and give it volume in space (see above) -- all are reminiscent of da Vinci's anatomical works.

The series was acquired as part of a project to enrich NLM's holdings in 20th-century prints relating to medicine and the allied sciences. The Library now owns over one hundred prints made since 1900. The Wunderlich lithographs are to be hung in the card catalog area.

Recurring Bibliographies

To provide broad circulation of citations to journal articles on specialized medical subject areas, the Library cooperates with nonprofit professional organizations and other government agencies having responsibilities in these subject areas. Lists of such citations, called recurring bibliographies, are periodically produced by MEDLARS on GRACE film for printing and distribution by the cooperating institutions.

(1) The *Bibliography on Medical Education* is published monthly in the *Journal of Medical Education* ($15): Cumulations for 1964-65 and 1966 are available for $2.00 each from the American Association of Medical Colleges, 2530 Ridge Avenue, Evanston, Illinois 60201.

(2) The quarterly *Cerebrovascular Bibliography* may be requested from the Executive Secretary, Joint Council Subcommittee on Cerebrovascular Disease, National Institute of Neurological Diseases and Blindness, National Institutes of Health, Bethesda, Maryland 20014.

(3) The monthly *Fibrinolysis, Thrombolysis, and Blood Clotting* is available on request from Dr. James M. Stengle, Committee on Thrombolytic Agents, National Heart Institute, National Institutes of Health, Bethesda, Maryland 20014. Annual cumulation planned.

(4) The monthly *Index of Rheumatology* is published by the American Rheumatism Association, 1212 Avenue of the Americas, New York, New York 10036. Price: $6.00 per year, price for annual cumulation only to be announced.

(5) The quarterly *Index to Dental Literature* is published by the American Dental Association, 211 East Chicago Street, Chicago, Illinois 60611. Price: $20.00 for four issues, $10.00 annual cumulation alone.

(6) The *International Nursing Index* is published by the American Journal of Nursing Company, 10 Columbus Circle, New York, New York 10019. Price: $15.00 for four quarterly issues; $12.50 for annual cumulations.

(7) The quarterly *Artificial Kidney Bibliography* is available on request from the Scientific Communications Officer, National Institute of Arthritis and Metabolic Diseases, National Institutes of Health, Bethesda, Maryland 20014. Distribution is limited to medical libraries, National Institute of Health grantees, contractors in the Institute's Artificial Kidney Program, and to other qualified interested investigators and practitioners working in areas closely related to the artificial kidney.

NLM Holiday Schedule

The Library will be closed December 23 through December 25, and December 31 through January 1.